

Envirite of Illinois, Inc.

Waste Material Profile Sheet

Page 1 of 5

A. Profile InformationCommon Description: Waste Chromic Acid**B. Company Information**Generator Name: ArcelorMittal Indiana Harbor LLCGenerator Mailing Address: 3001 Dickey Road, Station 001City: East ChicagoState: INZip: 46312Generator Site Address: 3001 Dickey RoadCity: East ChicagoState: INZip: 46312EPA ID No.: IND005462601Generator Phone No.: 219-391-2379Technical Contact: Janice RaibleTechnical Contact E-mail: Janice.Raible@arcelormiTechnical Contact Phone No.: 219-391-2379Technical Contact Fax No.: 219-391-3211Emergency Contact: On-Call EngineerEmergency Contact Phone No.: 219-391-2492SIC: 3312NAICS: 331111Customer Name: ArcelorMittal Indiana Harbor LLC☒ Same as above (if different, please complete the following)PO Required? ☒ Yes ☐ No

Bill-To Street Address: _____

City: _____

State: _____

Zip: _____

Contact: _____

Phone No.: _____

Fax No.: _____

E-mail: _____

C. DOT InformationDOT Name: RQ, Waste Chromic Acid Solution, N.O.S. 8, UN1755, PGII (D002, D007)

Container Type: _____

Container Size: _____

HC: _____

UN/NA: _____

PG: _____

D. Biennial/Annual Reporting InformationSource Code: G05Form Code: W103**E. Physical Properties**Color: GreenOdor: Acidic% Oil/Grease: 0

FLASH POINT	FREE LIQUIDS	PHASES
<input type="checkbox"/> < 100 F	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Single
<input type="checkbox"/> 100 – 139 F	<input type="checkbox"/> No	<input type="checkbox"/> Double
<input checked="" type="checkbox"/> > 140 F		<input type="checkbox"/> Multi
<input type="checkbox"/> > 200 F		
PHYSICAL STATE	pH	
<input type="checkbox"/> Solid	<input type="checkbox"/> < 2	
<input type="checkbox"/> Powder	<input checked="" type="checkbox"/> > 2 – < 4.9	
<input type="checkbox"/> Sludge	<input type="checkbox"/> > 5 – < 9.9	
<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> > 10 – < 12.4	
<input type="checkbox"/> Liquid / Solid	<input type="checkbox"/> > 12.5	

Boxed area for Envirite of Illinois, Inc. use only

Profile _____

Date Received _____

Date Approved _____

File Ref. No. _____

New ☐ Recertification ☐

Envirite of Illinois, Inc.
Waste Material Profile Sheet

Page 2 of 5

F. TCLP									
TCLP		Actual Value	Reg. Level	UM	TCLP		Actual Value	Reg. Level	UM
D004	Arsenic		5	mg/l	D024	m-Cresol		200	mg/l
D005	Barium		100	mg/l	D025	p-Cresol		200	mg/l
D006	Cadmium		1	mg/l	D026	Total Cresols		200	mg/l
D007	Chromium		5	mg/l	D027	1,4-Dichlorobenzene		7.5	mg/l
D008	Lead		5	mg/l	D028	1,2-Dichloroethane		0.5	mg/l
D009	Mercury		0.2	mg/l	D029	1,1-Dichloroethylene		0.7	mg/l
D010	Selenium		1	mg/l	D030	2,4-Dinitrotoluene		0.13	mg/l
D011	Silver		5	mg/l	D031	Heptachlor		0.008	mg/l
D012	Endrin		0.02	mg/l	D032	Heptachlorobenzene		0.13	mg/l
D013	Lindane		4	mg/l	D033	Hexachlorobutadiene		0.5	mg/l
D014	Methoxychlor		10	mg/l	D034	Hexachloroethane		3.0	mg/l
D015	Toxaphene		0.5	mg/l	D035	Methyl Ethyl Ketone		200	mg/l
D016	2,4-D		10	mg/l	D036	Nitrobenzene		2	mg/l
D017	2,4,5-TP (Silvex)		1	mg/l	D037	Pentachlorophenol		100	mg/l
D018	Benzene		0.5	mg/l	D038	Pyridine		5	mg/l
D019	Carbon tetrachloride		0.5	mg/l	D039	Tetrachloroethylene		0.7	mg/l
D020	Chlordane		0.03	mg/l	D040	Trichloroethylene		0.5	mg/l
D021	Chlorobenzene		100	mg/l	D041	2,4,5-Trichlorophenol		400	mg/l
D022	Chloroform		6.0	mg/l	D042	2,4,6-Trichlorophenol		2	mg/l
D023	o-Cresol		200	mg/l	D043	Vinyl chloride		0.2	mg/l

G. Underlying Hazardous Constituents (write in "None" for no UHCs or "N/A" if not applicable)		
Chemical	Value	UM
None		%
		%
		%
		%

H. Chemical Composition			
Chemical			
Other	Low	High	UM
Chromic Acid Solution	100%	100%	

Envirite of Illinois, Inc.

Waste Material Profile Sheet

Page 3 of 5

Please check each of the following 3 questions with either yes or no. Do not leave blank.

Is this a RCRA Hazardous waste per 40 CFR 261 or equivalent State Regulation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is this a Listed Hazardous waste per 40 CFR 261 or equivalent State Regulation?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is this a Characteristic Hazardous waste per 40 CFR 261 or equivalent State Regulation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

I. Waste Codes D002, D007

J. Generation Information

Generating Process: Galvanize coating on steel

Generation Rate:	2746	(Quantity)	gal	(U/M)	<input type="checkbox"/> 1x <input type="checkbox"/> quarterly	<input type="checkbox"/> weekly <input type="checkbox"/> semi-annually	<input type="checkbox"/> monthly <input checked="" type="checkbox"/> annually
-------------------------	------	------------	-----	-------	---	---	--

K. Waste Characteristics

Insecticides <input type="checkbox"/>	Dioxin <input type="checkbox"/>	PCBs <input type="checkbox"/>
Shock Sensitive <input type="checkbox"/>	Pyrophoric <input type="checkbox"/>	RX Cyanide >250ppm <input type="checkbox"/>
Pesticides <input type="checkbox"/>	Household Waste <input type="checkbox"/>	RX Sulfide >500ppm <input type="checkbox"/>
Herbicides <input type="checkbox"/>	Crystalline Free Silica <input type="checkbox"/>	(Unless Checked) None Apply <input checked="" type="checkbox"/>
Radioactive <input type="checkbox"/>	Explosive <input type="checkbox"/>	Other (specify) <input type="checkbox"/>
Medical Waste <input type="checkbox"/>	Asbestos <input type="checkbox"/>	
Oxidizers <input type="checkbox"/>	Carcinogen <input type="checkbox"/>	

Additional Information:

L. Regulatory Characterization

<input type="checkbox"/> WASTEWATER PER 40 CFR 268 <input checked="" type="checkbox"/> NON-WASTEWATER PER 40 CFR 268 <input type="checkbox"/> UNIVERSAL WASTE <input type="checkbox"/> CHARACTERISTIC SLUDGE <input type="checkbox"/> VIRGIN UNUSED PRODUCT <input checked="" type="checkbox"/> SPENT MATERIAL <input type="checkbox"/> WASTE HAS BEEN TREATED <input type="checkbox"/> CYANIDE PLATING ON SITE <input type="checkbox"/> SUBSTITUTE COMMERCIAL PRODUCT	<input type="checkbox"/> BY PRODUCT <input type="checkbox"/> RX WITH LIME TO CREATE FLAM. GAS <input checked="" type="checkbox"/> DOES NOT RX VIOLENTLY WITH LIME <input type="checkbox"/> CONTAINS VOCs OVER 500 PPM <input checked="" type="checkbox"/> DOES NOT CONTAIN VOCs OVER 500 PPM <input type="checkbox"/> CONTAINS METALLIC FINES/POWDERS <input type="checkbox"/> POLLUTION CONTROL WASTE (IL) <input checked="" type="checkbox"/> INDUSTRIAL PROCESS WASTE (IL) <input type="checkbox"/> CONTAINS PHENOL >1,000 PPM
--	---

(Mark ALL conditions that apply; a blank response confirms the condition(s) do not apply to this waste stream.)

This form must be signed by a person authorized to represent the generator. If the individual signing the Waste Profile is a broker or other agent not employed by the generator of the waste, the generator must provide written notification (on generator letterhead) documenting the authority granted that individual.

I authorize Envirite to make corrections to this waste profile. I understand that I will be required to confirm any changes in writing, excluding to Sections A, B, C and D.

☒ Yes ☐ No

I hereby avow that any pertinent information that is known by the generator concerning possible hazards has been disclosed. I certify that, to the best of my knowledge, all statements and attachments are correct and accurate representations of this waste material.

Janice L. Raible
Signee Name

04/04/2011
Signee Date

Environmental Engineer
Signee Title

Signature Janice L. Raible

Company ARCELORMITAL INDIANA HARBOR LLC

Envirite of Illinois, Inc.
Waste Material Profile Sheet

Page 4 of 5

Date of Sampling: 12/10/10

Time of Sampling: 10:00

☒ AM ☐ PM

Sampler Name: Mike Chenoweth

Sampler Signature: _____

Title and Affiliation of Sampler: Field Services Manager, Microbac Laboratories

Attachment J

Page 5 of 5

This certification statement must be provided by the generator of non-commingled hazardous waste unless analysis is provided for each parameter identified below.

Certification Form

Profile #: 16222

Generator Name: ArcelorMittal Indiana Harbor LLC

Illinois ID #:

Generic Waste Name: Waste Chromic Acid

Process Which Generated Waste: Galvanizing of steel

I certify that the following constituents (checked no below) are not present in my waste stream above the regulatory level identified in 35 IAC 725, Appendix I:

Characteristics of Hazardous Waste: Indicate if this waste contains any characteristics above regulatory level.

Constituent	Regulatory Threshold Level, ppm	Results of the Profile, ppm	Constituent	Regulatory Threshold Level, ppm	Results of the Profile, ppm
D004 Arsenic	5.0	105	D025 p-Cresol	200.0	-----
D005 Barium	100.0	ND	D026 Cresol	200.0	-----
D006 Cadmium	1.0	9.6	D027 1, 4-Dichlorobenzene	7.5	-----
D007 Chromium	5.0	15400	D028 1, 2-Dichloroethane	0.5	-----
D008 Lead	5.0	108	D029 1, 1-Dichloroethylene	0.7	-----
D009 Mercury	0.2	ND	D030 2, 4-dinitroouene	0.13	-----
D010 Selenium	1.0	95.8	D031 Heptachlor (and its epoxide)	0.008	-----
D011 Silver	5.0	ND	D032 Hexachlorobenzene	0.13	-----
D012 Endrin	0.02	-----	D033 Hexachlorobutadiene	0.5	-----
D013 Lindane	0.4	-----	D034 Hexachloroethane	3.0	-----
D014 Methoxychlor	10.0	-----	D035 Methythy ketone	200.0	-----
D015 Toxaphene	0.5	-----	D036 Nitrobenzene	2.0	-----
D016 2,4-D (2,4-Dichloro henoxyacetic acid)	10.0	-----	D037 Pentachlorophenol	100.0	-----
D017 2, 4, 5-Tp Silvex	1.0	-----	D038 Pyridine	5.0	-----
D018 Benzene	.05	-----	D039 Tetrachloroethylene	0.7	-----
D019 Carbon Tetrachloride	0.5	-----	D040 Trichloroethylene	0.5	-----
D020 Chlordane	0.03	-----	D041 2, 4, 5-Trichlorophenol	400.0	-----
D021 Chlorobenzene	100.0	-----	D042 2, 4, 6-Trichlorophenol	2.0	-----
D022 Chloroform	6.0	-----	D043 Vinyl Chloride	0.2	-----
D023 o-Cresol	200.0	-----			
D024 m-Cresol	200.0	-----			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry to the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete. I have used intimate knowledge of our process which generates the waste and adequate Material Safety Data Sheets as defined below, to determine the hazardous constituents which I have certified that are not contained in this waste in accordance with 35 IAC 722.111 (d). I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Signature: Janice L. Raible
(Generator's signature of duly authorized Agent)

Date: 04/04/2011

Printed Name: JANICE L. RAIBLE

Title: ENVIRONMENTAL ENGINEER

Note to Generator: The hazardous constituents which you have certified as not being present are subject to verification analysis at the receiving facility.

Definitions:

1. Manufacturing Process – for the purpose of these analyses requirements, a manufacturing process is limited to a controlled manufacturing operation which combines specific ingredients and follows quality control procedures to obtain a specific product.
2. Adequate Material Safety Data Sheets (MSDS) – a material safety data sheet which identifies the exact percentage of each constituent identified in 35 IAC 721, Appendix H in the material, compound, or product.
3. Intimate generator knowledge – the generator's ability to use experience, knowledge of his process and adequate MSDS to determine the exact percent of each hazardous constituent (as identified in 35 IAC 721 Appendix H) present in the waste.
4. Lab Pack – small containers packed in absorbent material inside an overpack as defined in 35 IAC 724.416.